

EXPRESS MAIL EV 438075070 US

10/523442

PTO/SB/81 (11-04)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	
Filing Date	
First Named Inventor	Maxim Borisovich Belotserkovsky
Title	Centralized Buffer Architecture
Art Unit	for an Orthogonal Frequency Division
Examiner Name	Multiplexing (OFDM) Receiver
Attorney Docket Number	PU020354

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:

24498

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☐ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

☒ Firm or Individual Name

Thomson Licensing Inc.

Address

Patent Operations, P.O. Box 5312

City

Princeton

State

NJ

Zip

08543-5312

Country

USA

Telephone

609-734-6823

Fax

609-734-6888

I am the:

☐

Applicant/Inventor.

☒

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature

Date

1/29/05

Name

Jeffrey M. Navon, Reg. No. 32,711

Telephone

609-734-6823

Title and Company

Sr. Patent Counsel

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐

*Total of forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**POWER OF ATTORNEY
THOMSON LICENSING S.A.**

We,

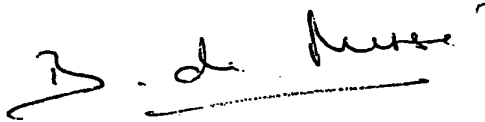
THOMSON Licensing S.A..
46, Quai A. Le Gallo
F-92100 Boulogne-Billancourt
France

do hereby grant

Joseph S. Tripoli
Senior Vice President
Thomson Licensing Inc.
Two Independence Way
Princeton, New Jersey 08540

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from March 11, 2003.

DATED this 15 day of March, in the year 2004.



SIGNED

BEST AVAILABLE COPY

POWER OF ATTORNEY
THOMSON LICENSING S.A.

THOMSON Licensing S.A.
46, Quai A. Le Gallo
F-92100 Boulogne-Billancourt
France

does hereby grant


Joseph J. Laks - Vice President
Irwin M. Krittman - Vice President
Harvey D. Fried - Manager
Ronald H. Kurdyla - Manager
Robert D. Shedd - Manager

Thomson Licensing Inc.
Two Independence Way
Princeton, New Jersey 08540

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from March 11, 2003.

DATED this 17th day of March, 2004.

SIGNED


Joseph S. Tripoli
Sr. Vice President
Thomson Licensing Inc. and
Attorney In Fact for
THOMSON Licensing S.A.

WITNESS

David Fournier

POWER OF ATTORNEY
THOMSON LICENSING S.A.

THOMSON Licensing S.A.
46, Quai A. Le Gallo
F-92100 Boulogne-Billancourt
France

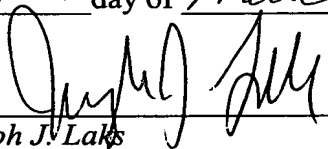
does hereby grant

Vincent E. Duffy
Patent Counsel
Thomson Licensing Inc.
Two Independence Way
Princeton, New Jersey 08540

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from March 11, 2003.


DATED this 17 day of March, 2004.

SIGNED



Joseph J. Laks
Vice President
Thomson Licensing Inc. and
Attorney In Fact for
THOMSON Licensing S.A.

WITNESS



POWER OF ATTORNEY
THOMSON LICENSING S.A.

THOMSON Licensing S.A.
46, Quai A. Le Gallo
F-92100 Boulogne-Billancourt
France

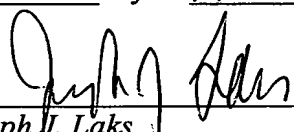
does hereby grant

Jeffrey M. Navon
Sr. Patent Counsel
Thomson Licensing Inc.
Two Independence Way
Princeton, New Jersey 08540

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from March 11, 2003.


DATED this 17 day of March, 2004.

SIGNED



Joseph J. Laks
Vice President
Thomson Licensing Inc. and
Attorney In Fact for
THOMSON Licensing S.A.

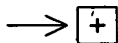
WITNESS



EXPRESS EV438075070US

10/523442

Please type a plus sign (+) inside this box



Rec'd PCT/PTO 31 JAN 2005

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input checked="" type="checkbox"/> Declaration Submitted With Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	PU020354
	First Named Inventor	Maxim Borisovich Belotserkovsky
	COMPLETE IF KNOWN	
	Application Number	/
	Filing Date	
	Group Art Unit	N/A
	Examiner Name	N/A

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CENTRALIZED BUFFER ARCHITECTURE FOR AN ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING (OFDM) RECEIVER

the specification of which (Title of the Invention)

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY)

07/31/2002

as United States Application Number or PCT International

Application Number PCT/US02/24188 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above:

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY) Country	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



10/523442

Rec'd PPTO 31 JAN 2003

Please type a plus sign (+) inside this box →

+

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent ApplicationDirect all correspondence to: ☐ Customer Number or Bar Code Label ☐ OR ☒ Correspondence address belowName JOSEPH S. TRIPOLIAddress THOMSON MULTIMEDIA LICENSING INC.Address P. O. BOX 5312City
PRINCETONState
NJZIP
08543-5312Country
USATelephone
(609) 734 - 9443Fax
(609) 734 - 9700

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventorGiven Name 1-00
MAXIM BORISOVICHFamily Name or Surname BELOTSEKOVSKYInventor's Signature [Signature]Date
07/29/02Residence: City
INDIANAPOLISState
INCountry
USACitizenship
USMailing Address 9307 Aintree Drive

Mailing Address

City

INDIANAPOLIS

State

INDIANA

ZIP

46260

Country

USA

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventorGiven Name
VINCENTFamily Name or Surname DEMOULIN

Inventor's Signature

Date

Residence: City
PLEUMELEUC

State

Country
FRANCECitizenship
FRANCEMailing Address 2, rue de Claves

Mailing Address

City

PLEUMELEUC

State

ZIP

35137

Country

FRANCE

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

10/523442
Rec'd PTO 31 JAN 2005

Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to:		<input type="checkbox"/> Customer Number or Bar Code Label		OR	<input checked="" type="checkbox"/> Correspondence address below
Name	JOSEPH S. TRIPOLI				
Address	THOMSON MULTIMEDIA LICENSING INC.				
Address	P. O. BOX 5312				
City	PRINCETON	State	NJ	ZIP	08543-5312
Country	USA	Telephone	(609) 734 - 9443	Fax	(609) 734 - 9700
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name	MAXIM BORISOVICH		Family Name or Surname	BELOTSEKOVSKY	
Inventor's Signature					Date
Residence: City	INDIANAPOLIS	State	IN	Country	USA
Citizenship	US				
Mailing Address	9307 Aintree Drive				
Mailing Address					
City	INDIANAPOLIS	State	INDIANA	ZIP	46250
Country	USA				
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name	VINCENT		Family Name or Surname	DEMOULIN	
Inventor's Signature					Date
Date	07/31/2002				
Residence: City	PLEUMELEUC	State		Country	FRANCE
Citizenship	FRANCE				
Mailing Address	2, rue de Clayes				
Mailing Address					
City	PLEUMELEUC	State		ZIP	35137
Country	FRANCE				
<input checked="" type="checkbox"/> Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

Please type a plus sign (+) inside this box → +

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page 3 of 3
--------------------	--

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
LOUIS ROBERT		LITWIN	
Inventor's Signature <i>[Signature]</i>		Date 10-30-02	
Residence: City Plainsboro	State New Jersey	Country USA	Citizenship US
Mailing Address 34-14 Quail Ridge Drive NJ			
Mailing Address			
City Plainsboro	State New Jersey	ZIP 08536	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country A
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.